

### I CLAIM

1. In a musical infant nursing bottle employing a liquid container, an electrical power source, and a musical player, the improvement comprising: an omnidirectional, gravity-operated switching mechanism including an inclined surface with a detent recess therein, an electrical switch having a switch actuator located at said detent, and a sphere movable by gravity to roll across said inclined surface and releaseably engageable in said detent recess, whereby said sphere operates said switch actuator when lodged in said detent recess to create an open circuit condition between said electrical power source and said musical player

2. A nursing bottle according to Claim 1 wherein said inclined surface is a floor of a cavity formed beneath said liquid container, and said sphere rolls freely across said floor and beneath said liquid container when said liquid container is tilted from vertical alignment.

3. A nursing bottle according to Claim 2 wherein said floor is inclined at an angle toward said detent recess of no less than about two degrees .

4. A nursing bottle according to Claim 3 wherein said cavity floor has a circular outer perimeter and an axial center and said floor slopes from said outer perimeter away from said liquid container and toward said axial center, and said detent recess is a circular aperture of diameter smaller than that of said sphere located in said floor at said axial center of said cavity

5. A nursing bottle according to Claim 4 wherein said floor has an upper

surface of inverted frustoconical shape.

6. A nursing bottle according to Claim 4 wherein said switch actuator includes a depressible button located directly beneath said circular aperture at said axial center of said floor.

7. A nursing bottle according to Claim 1 wherein said music player is comprised of an electronically encoded digital chip with a speaker coupled thereto.

8. A nursing bottle according to Claim 1 further comprising a bypass circuit around said gravity-operated switching mechanism and coupling said electrical power source to said music player, and said bypass circuit has an externally accessible, manually operated bypass switch for manually turning said music player off and alternatively turning said music player on irrespective of the location of said sphere.

9. A nursing bottle according to Claim 1 further comprising a base encapsulating said electrical power source, said music player and said omnidirectional gravity-operated switching mechanism, and said base is detachably coupled to said liquid container, and said base defines within its structure a cavity having a ceiling located beneath said liquid container, and wherein said inclined surface is a floor of said cavity spaced beneath said ceiling a distance greater than the diameter of said sphere, and said floor has an inverted frustoconical shape and said detent recess is a circular aperture at the center of said floor and said circular aperture has a diameter smaller than the diameter of said sphere.

10. A nursing bottle according to Claim 9 wherein said switch actuator is a

depressible button located directly beneath said circular aperture.

11. A musical apparatus for feeding liquid to a baby comprising:

a tubular liquid container having an open end with a baby feeding nipple thereon and an opposite closed end,

a base having an axial center and forming a liquid container seat to receive and support said closed end of said liquid container from beneath and also serve as a stand for supporting said liquid container in an upright vertical orientation, and said base defines a cavity with a periphery therewithin and said cavity has a floor sloping from said periphery away from said liquid container and toward said axial center of said base,

a detent recess defined in said floor at said axial center of said base,

a rigid sphere located within said cavity and atop said floor for rolling movement thereacross, whereby said sphere lodges in said detent recess in said floor when said stand supports said tubular liquid container in an upright vertical disposition,

a dynamic, electrical switch having a depressible switch actuator located directly beneath said detent recess, whereby when said sphere is lodged in said detent recess the weight of said sphere is sufficient to depress said depressible switch actuator,

an electrical power source located in said base, and

a music player located in said base and electrically connected to said electrical power source through said dynamic, electrical switch such that depression of said depressible switch actuator creates an open circuit condition between said electrical power source and said music player.

12. A musical apparatus according to Claim 11 wherein said music player is comprised of a programmed digital chip and a speaker.

13. A musical apparatus according to Claim 11 further comprising a manual bypass circuit connecting said electrical power source to said music player and including a manual bypass switch operable externally of said base to alternatively close an electrical connection directly from said power source to said music player, isolate said electrical power source from said music player, and couple said power source to said music player through said dynamic electrical switch.

14. A musical apparatus according to Claim 11 wherein said base is detachably coupled to said liquid container.

15. A musical baby bottle comprising:

an upright elongated tubular container for holding liquid to feed an infant and having a closed bottom end and an open top end,

a baby feeding nipple secured to said open top end of said tubular container,

a base containing an electrical battery and a music player therewithin, and having an axial center and a periphery wherein said base is formed

with an upwardly facing seat at said periphery thereof to releaseably receive said  
bottom end of said tubular container, and said base defines an enclosed cavity  
10 therewithin with a ceiling and a floor spaced from and recessed beneath said ceiling,  
and said floor slopes from said periphery away from said bottom end of said tubular  
container to said axial center of said base, and said floor defines a detent recess at said  
axial center of said base,

a rigid sphere located within said cavity atop said floor and  
15 beneath said ceiling,

a depressible, dynamic switch electrically connected to said  
battery and said music player and located beneath said floor and having a pressure  
operated switch actuator located directly beneath said detent recess, whereby  
gravitational force acts upon said sphere to cause it to roll to said axial center of said  
20 base, lodge in said detent recess and depress said dynamic switch actuator when said  
tubular container is upright and said longitudinal axis of said base is vertically aligned,  
and when said longitudinal axis of said base is tilted sufficiently from vertical alignment  
said sphere rolls out of said detent recess, thus closing said pressure operated switch  
actuator.

16. A musical baby bottle according to Claim 15 wherein said music player is  
comprised of a programmed digital chip and a speaker.

17. A musical baby bottle according to Claim 15 further comprising a manual  
bypass circuit from said electrical power source to said music player and operable

5 externally of said base to alternatively create a power connection directly from said power source to said music player, isolate said electrical power source from said music player, and couple said electrical power source to said music player through said dynamic electrical switch.